

W·I·N·G·S·P·A·N

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Karen Steenhof, Editor

Carolyn Fritschle, Editorial Assistant

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MESSAGE FROM THE EDITOR

This issue of *The Wingspan* will be the final one produced by the RRTAC staff. Leonard Young will assume responsibilities as *Wingspan* editor beginning with the September 1995 issue. Lenny works as a Natural Resource Scientist for the Washington Department of Natural Resources and has been a member of RRF since 1980. In 1992, he organized the RRF Annual meetings in Bellevue. Lenny has received degrees in zoology and wildlife biology from the University of Maine and the University of Montana. His research has focused on bald eagles, common ravens, and marbled murrelets. Lenny's editing skills are superb, and his network of colleagues will keep him up to date on possible subjects for RRF's newsletter. I have enjoyed editing *The Wingspan* over the past 2½ years; I am satisfied that it is off to a good start; and I am confident that Lenny will take *The Wingspan* to even higher standards of excellence.

-Karen Steenhof, Editor



U.S.
NATIONAL
BIOLOGICAL
SURVEY

CHANGES IN MEMBERSHIP DUES AND CATEGORIES

At the Annual Meeting on November 2-6, in Flagstaff, Arizona, the RRF Board of Directors was forced to respond to the effects of budget deficits from 1992-93 and 1993-94, and a projected deficit in our upcoming 1994-95 budget. After reducing all expenditures to a minimum level, the Board found it necessary to increase the membership dues so that RRF could have a balanced budget. In making these changes, the Board tried to structure the dues increase in as fair a manner as possible. In particular, the Board wanted to minimize any increase in cost for student memberships.

RRF's last dues increase was in 1992. This increase was targeted specifically for the creation and production of *The Wingspan*. Our newsletter has since been very successful and has been produced within the budget provided through that dues increase. Unfortunately, our membership dues were not keeping pace with the rising costs of our journal and other activities. The Board's decision to raise the dues, effective January 1, 1995, was presented and explained to the membership at the annual business meeting.

In addition to the dues increase, the Board also simplified the number and types of RRF membership categories. RRF now offers Life (\$700; \$1000 starting in 1997), Sustaining (\$100), Organizational/Library (\$50), Contributing (\$50), Regular (\$30), and Student (\$15) memberships. For members living outside the U.S. postal area there is a \$5 surcharge.

Note: if you have an opinion you wish to share or any other raptor-related issue, please send it to *The Wingspan* Editor, 5010 Sunset Drive NW, Olympia, Washington 98502, USA.

THE RAPTOR RESEARCH FOUNDATION, INC. (FOUNDED 1966)

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VICE-PRESIDENT: Michael N. Kochert

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The Wingspan is distributed twice a year to all RRF members. It is also available to non-members for a subscription rate of \$10 per year. *The Journal of Raptor Research* (ISSN 0892-1016) is published quarterly and available to individuals for \$30.00 per year and to libraries and institutions for \$50.00 per year from *The Raptor Research Foundation, Inc.*, 12805 St. Croix Trail, Hastings, Minnesota 55033, USA. Add \$3 for destinations outside of the continental United States.

Persons interested in predatory birds are invited to join The Raptor Research Foundation, Inc. Send requests for information concerning membership, subscriptions, special publications, or change of address to *Jim Fitzpatrick, Treasurer*, 12805 St. Croix Trail, Hastings, Minnesota 55033, USA.

SEARCH FOR A NEW EDITOR OF *THE JOURNAL OF RAPTOR RESEARCH*

Carl Marti, current editor of *The Journal of Raptor Research*, is stepping down at the end of 1995 after a successful 3-year term as editor. Raptor Research Foundation President Michael Collopy has asked RRF At Large Director Keith Bildstein to chair a search committee to find a capable successor to Carl. Carl Marti and Karen Steenhof will serve on the committee.

Editing *The Journal of Raptor Research* is clearly the most challenging and rewarding position available in RRF. Although the journal's editor works harder and longer for RRF than any other single member, the editor also reaps the benefits of working closely with the Foundation's most active scientists; shepherding worthy manuscripts through the publication process; and developing his or her own writing, editing, and communications skills. Carl and his predecessors have left some rather large shoes to fill. If you believe that you are up to the task -- or if you wish to nominate someone who is -- please call or write Keith at Hawk Mountain Sanctuary for additional details concerning the selection process (Phone 610 756-6961); Hawk Mountain Sanctuary, RR 2, Box 191, Kempton, PA 19529 USA.)

DOES YOUR LIBRARY RECEIVE *THE JOURNAL OF RAPTOR RESEARCH*?

Library subscriptions are important to RRF. Not only are they a source of income, but they also help to disseminate research findings to non-members. Currently only about 125 agency and academic libraries subscribe to the Journal. The Raptor Research Foundation, Inc., solicits your help in expanding this subscription list. If your agency or academic library does not take the Journal, please request that they do so. Librarians typically respond most favorably to requests for new journals that come from within their organization. Library subscription forms are available from Jim Fitzpatrick, RRF Treasurer, Carpenter Nature Center, 12805 St. Croix Trail South, Hastings, MN 55033 USA for \$50.00.

RICHARD R. (BUTCH) OLENDORFF MEMORIAL FUND

Contributions are still being accepted for the Richard R. (Butch) Olendorff Memorial Fund. These funds will be used to establish the Butch Olendorff Memorial Library at Boise State University. Contributions may be sent to the Richard R. Olendorff Memorial Fund, West One Bank, 2730 Airport Way, Boise, Idaho 83705 USA.

BOISE PICKED AS SITE OF 1996 MEETING

The 1996 RRF Annual Meeting will be held in Boise, Idaho 13-17 August at Boise State University. Tentatively, it will be a joint meeting with the American Ornithologists' Union. Symposia on tropical raptors and other topics will be held in conjunction with the meeting. For more details contact local co-chairs Mark Bechard or Alfred Dufty, Department of Biology, Boise State University, Boise, Idaho 83725 USA, phone (208 385-3530).

NEW LISTINGS

The Puerto Rican Broad-winged Hawk (*Buteo platypterus brunnescens*) and the Puerto Rican Sharp-shinned Hawk (*Accipiter striatus venator*) were listed 9 September 1994 as Endangered by the U.S. Fish and Wildlife Service.



ORGANIZATION PROFILE

Twenty-five years ago, concern for the fate of the Peregrine Falcon in Britain led to the formation of the Hawk Trust by Philip Glasier to promote the study and conservation of wild birds of prey and advance education about them.

Now called the Hawk and Owl Trust, the HOT is a registered charity best known today for its survey and conservation work on the charismatic Barn Owl, a flagship species that is in decline in Britain. The Trust's 1987 book "The Barn Owl in the British Isles: Its Past Present and Future" was reviewed by Sir David Attenborough as "one of the most detailed and thorough reports ever made of any British bird." The Trust's lead in Barn Owl work continues with the strengthening of its Barn Owl Conservation Network and the launch of Project Barn Owl in 1994 - a three-year national survey of the species conducted jointly with the British Trust for Ornithology. The survey is designed to provide a baseline for annual monitoring and future ten-year surveys. This will assist with assessing the effects of changes in land use, other environmental factors, and conservation measures implemented after the Trust's first survey ten years ago.

Although owl projects have made up most of its activities so far, in its early years the Trust pioneered protection of the remnant population of Red Kites in Wales; and the HOT is the UK's principal organization devoted to the conservation of all wild birds of prey. Diurnal raptors are gaining increased attention despite the difficulties of obtaining funding for the less "popular" species. Work already conducted has been published in the 1993 HOT book "Forest Merlins in Scotland." Extensive survey work is being carried out on harrier roosts in the UK and abroad. The HOT's joint project with the Bombay Natural History Society on large harrier roosts in India is into its third season. Farmland Kestrels benefit from a wide network of nest boxes, and research on the Goshawk and Hobby is planned.

The first international conference on Small Falcons held at the Durrell Institute in the University of Kent, Canterbury in 1991 was the HOT's initial step into the field of international meetings. The proceedings are published in the 1993 HOT book "Biology and Conservation of Small Falcons." As host to the first European meeting of the RRF at Canterbury in September 1993, the HOT highly valued the opportunity to join forces with the RRF for a far-ranging meeting including symposia on harriers and on human-raptor conflicts.

The financial needs of such an organization certainly keep those involved alert to funding opportunities, but much of the HOT's work has to be carried out by volunteers. The Trust seeks commercial sponsorship and important work has been funded by charitable foundations. A recent notable example is the new HOT Exhibition and Education Centre just off the M25 motorway ringing London. The Centre opens in 1995 with the aim of teaching schoolchildren and others about the effect of human activities on populations of birds of prey. The Trust's "Adopt a Box" scheme also brings the conservation message to a wide audience.

The Trust coordinates and finds sponsorship for Ph.D. work. Recent examples include research on the habitat requirements and ecology of Wood Mice and Field Voles (the principal prey of a number of British raptors and owls), harrier feeding ecology, and long-eared owl behaviour. The Trust's annual report, "The Raptor," includes papers on the work sponsored, and its more regular newsletter "Peregrine" keeps members informed of activities.

HOT seeks to employ creative conservation, practical research, and imaginative education to achieve its goals of the conservation and appreciation of birds of prey in their natural environment in the UK and abroad.

Enquiries about HOT membership, publications, and activities are welcome at The Hawk and Owl Trust, c/o Zoological Society of London, Regent's Park, London NW1 4RY, UK.

Federal Funding for Wildlife Diversity

-- by Brian Millsap

At the 1994 annual meeting in Flagstaff, Arizona, the RRF board of directors, officers and membership passed a resolution in support of the federal wildlife diversity funding initiative. State fish and wildlife agencies, conservationists, and wildlife enthusiasts have benefitted immensely from federally administered dollars collected for game fish and wildlife conservation through a surcharge on hunting and fishing equipment (Pittman-Robertson and Wallop-Breaux Act funds). However, game species comprise less than 10% of the fish and wildlife taxa in the United States, and funds for nongame wildlife are lacking. The initiative that RRF has joined seeks to remedy this situation.

The International Association of Fish and Wildlife Agencies (IAFWA) created an ad hoc Fish and Wildlife Diversity Funding Committee that has for several years researched options for generating revenue for the neglected majority of wildlife species. The studied recommendation of this committee is that a national user fee on equipment used to enjoy wildlife would be the most appropriate source of such revenue, following the Pittman-Robertson and Wallop-Breaux models. The initiative that has been launched seeks to add a nominal surcharge to purchases of such items as binoculars, camera equipment and supplies, birdseed, and other outdoor apparel and gear. The initiative as planned would generate \$350 million annually, an amount sufficient to meet the minimum needs of a national wildlife diversity program.

Funds collected would be returned to states in a 75:25 federal/state matching formula to pay for projects that would increase wildlife viewing opportunities for citizens and conserve nongame wildlife species and their habitats.

This is money that can be put to immediate good use. For example, state agencies would immediately use federal aid money to build structures like wildlife viewing towers and nature trails, and prepare brochures and other publications to aid wildlife enthusiasts in enjoying their outdoor activities. As for conservation work, states have already developed long lists of conservation projects that address the needs of nongame wildlife species -- projects that will help prevent these species from deteriorating to the point where they require listing as threatened or endangered.

Raptors rank high on the list of priorities of wildlife watchers and of most state conservation agencies. Accordingly, passage of the wildlife diversity funding initiative would have a profound positive impact on raptor conservation and raptor-oriented recreation. Establishing this user fee will be difficult, particularly with the current Congress. The IAFWA and others have spent considerable time working with potentially taxed industry representatives, and although some have supported the initiative, the majority do not -- at least so far. It is important that the supporters of this initiative -- who, by the way, are the ones who will be paying the user fee -- be vocal and visible in their support, both to industry representatives and to their representatives in Congress.

RESOLUTION NO. 94-01 THE RAPTOR RESEARCH FOUNDATION, INC. FEDERAL WILDLIFE DIVERSITY FUNDING INITIATIVE

WHEREAS, effective conservation of birds of prey in the United States depends on adequate and stable funding for research, management, and education; and,
WHEREAS, funding for conservation of non-hunted, non-endangered, and non-threatened wildlife is unpredictable and highly variable among states in the United States; and,
WHEREAS, the Fish and Wildlife Conservation Act of 1980 created the framework for a comprehensive national wildlife diversity program designed to increase and stabilize funding for nongame wildlife conservation, but Congress identified no funding source and has never appropriated funds to effect the intent of the Act; and,
WHEREAS, over 76 million Americans recreationally view and enjoy watching wildlife; and
WHEREAS, some of the most sought-after wildlife for viewing are nongame birds, including birds of prey; and
WHEREAS, a federal surcharge on hunting and fishing equipment has proved to be a stable mechanism for funding game wildlife and sportfish conservation programs; and
WHEREAS, a comprehensive study by the International Association of Fish and Wildlife Agencies recommended a small federal surcharge on supplies and equipment associated with recreational wildlife viewing as the best funding option for a national program for the conservation and enjoyment of nongame wildlife and the ecosystems upon which they depend,
THEREFORE, be it resolved that the Raptor Research Foundation Board Members, Officers, and General Membership:
1. Strongly support the concept of a federal surcharge on supplies and equipment associated with recreational wildlife viewing to fund a national wildlife diversity program modeled after existing federal aid programs for game wildlife and sportfish.
2. Urge retail purchasers and manufacturers of such equipment to actively support the surcharge.
3. Appeal to Congress to enact legislation effecting the surcharge during the 1995 session at a level that will generate at least \$350 million annually.

COMPREHENSIVE LIST OF RAPTOR RESEARCH FOUNDATION AWARDS

AWARDS TO RECOGNIZE SIGNIFICANT LIFETIME CONTRIBUTIONS

The RRF has established 3 awards to recognize individuals who have made significant contributions to the field of raptor biology. The Awards committees rely on RRF members to nominate qualified individuals for each of these 3 awards. All raptor biologists are eligible for nomination, however, they must be nominated by an RRF member. Selection of each recipient will be based on the quality of their life's work and on their contributions to a specific area of raptor research or management. The award for each is an engraved plaque presented at the RRF annual meeting. Contact the award chair for nomination requirements.

The Dean Amadon Award recognizes an individual who has made significant contributions in the field of systematics or distribution of raptors. Contact: Dr. Clayton White, 161 WIDB, Department of Zoology, Brigham Young University, Provo, UT 84602 USA. Deadline: August 15.

The Tom Cade Award recognizes an individual who has made significant advances in the area of captive propagation and reintroduction of raptors. Contact: Dr. Brian Walton, Predatory Bird Research Group, Lower Quarry, University of California, Santa Cruz, CA 95064 USA. Deadline: August 15.

The Fran and Frederick Hamerstrom Award recognizes an individual who has contributed significantly to the understanding of raptor ecology and natural history. Contact: Dr. David E. Andersen, Department of Fisheries and Wildlife, 200 Hodson Hall, 1980 Folwell Avenue, University of Minnesota, St. Paul, MN 55108 USA. Deadline: August 15.

STUDENT RECOGNITION AND TRAVEL ASSISTANCE AWARDS

The following RRF awards are designated for promising students who participate in the Annual Meeting.

The James R. Koplin Travel Award is given to a student who is a member of RRF and who is the senior author of a paper or poster to be presented at the meeting for which travel funds are requested. The award is \$100. Application materials include: 1) copy of conference paper abstract; 2) itemized budget of costs associated with attending the meeting and an explanation of how the expenses not covered by this award will be met; and 3) a letter of recommendation, preferably by the student's major professor, evaluating the applicant's academic abilities, the significance of the research being reported, the student's contribution to this research, and the potential for future

contributions by the student to the field of raptor biology. Contact: Dr. Petra Bohall Wood, West Virginia Cooperative Fish and Wildlife Research Unit, P.O. Box 6125, 333 Percival Hall, Morgantown, WV 26506-6125 USA. Deadline: deadline established for conference paper abstracts.

The William C. Andersen Memorial Award is given to 2 students at the annual Raptor Research Foundation Meeting; one award for best oral presentation and one for best poster. To be eligible for an award, a student must be a registered part- or full-time student at a recognized educational institution within 12 months preceding the presentation; the information in the paper must have been collected and synthesized primarily by the student; and the paper/poster must have been organized and written by the student with only minor editorial assistance from faculty or colleagues. Presentations and posters are judged by a committee of raptor scientists. Each recipient receives \$100 and an engraved plaque. Few students compete for the best poster award, so we encourage more participation. Contact: Ms. Laurie Goodrich, Hawk Mountain Sanctuary, RR 2, Box 191, Kempton, PA 19529-9449 USA. Deadline: deadline established for conference paper abstracts.

GRANTS

Raptor biologists can apply for 2 prestigious RRF grants.

The Stephen R. Tully Memorial Grant for \$500 is given to support research, management and conservation of raptors especially to students and amateurs with limited access to alternative funding. The award is given in memory of Steve Tully, a young raptor biologist, who lost his life in an automobile accident in 1978. To apply, send a proposal (no more than 5 pages) outlining your background, the study or project goals and methods, your anticipated budget, and a list of other funding sources, both requested and received. Contact: Dr. M. Alan Jenkins, George Miksch Sutton Avian Research Center, Inc., P.O. Box 2007, Bartlesville, OK 74005-2007 USA. Deadline: September 10.

The Leslie Brown Memorial Grant. In memory of one of the most inspired and productive raptor biologists of recent decades, the RRF provides a grant for up to \$1,000 to support research and/or dissemination of information on raptors. Proposals concerning African raptors will receive highest priority among proposals of otherwise equal merit. Applicants must send a resume, specific study objectives, an account of how funds will be spent, and a statement indicating how the proposed work would relate to other work by the applicant and to other sources of funds. Contact: Dr. Jeffrey L. Lincer, Sweetwater Environmental Biologists, Inc., 3838 Camino del Rio North, Suite 271, San Diego, CA 92108 USA. Deadline: September 15.

1994 RRF AWARDS -- Petra Bohall Wood

DEAN AMADON AWARD

Selection Committee: Clayton M. White, Chair. Recipient: Mr. Robert Sheehy, University of Arizona, for his research on "A phylogenetic analysis of the avian family Accipitridae based on molecular data."

TOM CADE AWARD

Selection Committee: Brian James Walton, Chair, Steve Sherrod, and Jack Barclay. Recipient: Dr. Christian Saar for his work with captive breeding and release of peregrines in Europe.

FRAN AND FREDERICK HAMERSTROM AWARD

Selection Committee: David E. Andersen, Chair, Rick Knight, and Karen Steenhof. Recipient: Not awarded.

JAMES R. KOPLIN TRAVEL AWARD

Selection Committee: Petra Bohall Wood, Chair, Jeff Smith, and Cathy Viverette. Recipient: Johanna M. Ward, Colorado State University, for her study "Effects of experimental food addition on the reproductive ecology of the northern goshawk during brood rearing."

WILLIAM C. ANDERSON MEMORIAL AWARD

Laurie J. Goodrich, Chair. Selection Committee: Jim Dawson, Jim Gessaman, Patricia Kennedy, Karen Steenhof, John Smallwood, and Petra Bohall Wood. (There were about 35 student oral presentations and 3 student poster papers on the program.)

Presentation Recipient: Johanna M. Ward, Colorado State University, for her study "Effects of experimental food addition on the reproductive ecology of the northern goshawk during brood rearing."

Presentation Honorable Mention: Melissa Siders, Colorado State University, "Nesting habitat preference and availability of suitable nesting habitat of coexisting Accipiter in the Jemez Mountains of north central New Mexico," Chris Rohner, Univ. of British Columbia, "Responses of great horned owls to the snowshoe hare cycle in the boreal forest," and Mike Britten, Colorado State Univ., "Autumn migration of peregrine falcons determined by satellite radio telemetry."

Poster Recipient: Andrea Erichson, UC-Davis, "Communal roosts: seasonal dynamics of a white-shouldered kite population in the Sacramento Valley."

STEPHEN R. TULLY MEMORIAL GRANT

Selection Committee: M. Alan Jenkins, Chair, Robert N. Rosenfield, and Kimberly Titus. Recipient: Robert Warnock, Univ. of Regina, for his proposal "Effects of habitat fragmentation on burrowing owls."

LESLIE BROWN MEMORIAL GRANT

Selection Committee: Jeffrey Lincer, Chair, Dean Amadon, Gary Duke, Richard Howard, and A. Kemp. Recipient: Jim Berkelman for his proposal "Habitat requirements of the Madagascar fish eagle."

1994 STEPHEN R. TULLY MEMORIAL GRANT RECIPIENT



Robert Warnock received a B.Sc. degree in biology from Luther College, University of Regina. Currently, he is a M.Sc. candidate with Dr. Paul C. James and Dr. Diane Secoy at the University of Regina. His research is focusing on the effects of habitat fragmentation on the declining Burrowing Owl population in Saskatchewan. Robert has participated in Burrowing Owl and Merlin banding programs. He assisted in the redevelopment of the Saskatchewan Operation Burrowing Owl database. He has a published report on ecological land classification in Saskatchewan which has become the basis for the provincial classification system. He has assisted in the initial set up and development of the Saskatchewan Conservation Data Centre under the direction of Dr. Jim Duncan. He has been a laboratory assistant/instructor since 1990 and was acting curator of the university vertebrate collection in 1993. He is a member of several natural history and ornithological societies. Currently, Robert is a student member of Faculty of Graduate Studies and Research board and the University of Regina President's Advisory Committee on Accessibility.

1995 EUROPEAN RRF MEETING BADAJOZ, SPAIN

The 1995 European meeting of the Raptor Research Foundation will be held in association with the International Conference on Holarctic Birds of Prey in Badajoz, Extremadura, Spain on 17-22 April. RRF is co-hosting the conference with the main organizers, the Asociacion para la Defensa de la Naturaleza y los Recursos de Extremadura (ADENEX) and the World Working Group on Birds of Prey and Owls. Tentative sessions and session conveners include: migration (Keith Bildstein), breeding biology (Ian Newton), biology and conservation of threatened diurnal raptors (Borja Heredia), biology and conservation of owls (Claus König), contamination and development (Charles Henny), analysis of habitats and census techniques (Mark Fuller), legislation affecting raptors (Claude Kurtz), socio-economic aspects of raptor conservation (Vladimir Glushin), recent technological advances in raptor research (David Bird and Bernd Meyburg), consequences of the Agrarian Policy of the European community on raptors (Fernando Hiraldo), and supporting endangered raptor populations via captive breeding (Michael Wallace). All presentations will be given in English or Spanish, with simultaneous translations.



Extremadura is particularly rich in variety and number of European raptors, and there will be plenty of opportunity to see both raptors and the Spanish countryside. Extremadura is an important refuge for rare and endangered raptor species. Of 51 species occurring in Europe, 35 can be observed in Extremadura.

Deadline for receipt of abstracts is 15 March 1995. For more information on the conference venue, registration, and abstract submissions, etc., please contact: *R.D. Chancellor, the Hon. Secretary of WWGBP, 15b Bolton Gardens, London SW5 OAL, England. FAX 44-71-370-18-96.*

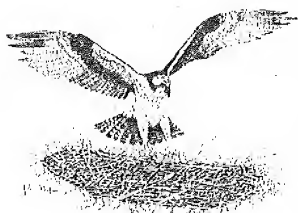
1995 RRF MEETING RETURNS TO DULUTH

The Raptor Research Foundation's annual meeting for 1995 will be held 1-4 November in Duluth, Minnesota at the Duluth Entertainment and Convention Center (The DECC). In addition to the presentation of scientific papers on raptor ecology, the meeting will offer 3 special symposia, field trips, exhibits, an art show, plus films and videos.

Special symposia include the following: A Comparison of Forest Raptor Responses to Forest Management - A Holarctic Perspective; convened by Dr. Michael Meyer; Ecology and Toxicology of Great Lakes Bald Eagles; convened by Dr. William Bowerman and Dr. Michael Meyer; and Sharp-shinned Hawks, convened by Dr. Robert Rosenfield.

Take advantage of this opportunity to visit Duluth's own Hawk Ridge - one of the best places in North America to observe migrating raptors. Only 15 minutes from the RRF meeting site, ample opportunities will be made before, during, and after the meeting to visit Hawk Ridge. In addition, four field trips are planned, including the Raptor Center at the University of Minnesota in St. Paul, the North Shore of Lake Superior, the Sax-Zim Bogs (possible great gray owls and northern hawk owls), and the Duluth-Superior Harbor (possible snowy owls, gyrfalcons, and peregrine falcons.)

A call for papers will be distributed later this year. Persons interested in presenting general papers, posters, films, or videos should submit abstracts and applications by 15 August according to the guidelines in the call for papers. Any resolutions that you wish to be considered should be sent to Dave Garcelon, PO Box 127, Arcata, CA, 95521 USA, no later than 15 July 1995.



Accommodations have been arranged at four Duluth hotels, with single/double rates ranging from \$54-\$67. The conference hotel (Holiday Inn Downtown Waterfront) rates are \$58 single, \$66 double, \$89 suite; rates do not include the 12.5% hotel tax. Reservation information will be in the call for presentations brochure. Duluth is in northeastern Minnesota on the far western shores of Lake Superior. It is at the terminus of Interstate 35, and is easy to get to via Northwest Airlines out of Minneapolis or United Air Express out of Chicago. When flying into Minneapolis on Northwest Airlines, there is only a slight cost to continue on to Duluth (\$25-\$50) round trip. Rail service is not available.

For more information about the 1995 meeting, contact the Continuing Education & Extension at the University of Minnesota Duluth, 316 Darland, 10 University Drive, Duluth, MN 55812-2496 USA; phone (218-726-6819); FAX (218-726-6336); E-mail merickso@d.umn.edu.

UPCOMING MEETINGS, SEMINARS, & WORKSHOPS

1995



APRIL 17 - 22

INTERNATIONAL CONFERENCE ON HOLARCTIC
BIRDS OF PREY.

Badajoz, Spain

Contact: R.D. Chancellor
15b Bolton Gardens
London SW5 OAL, ENGLAND
FAX: (44-71-370-18-96)

MAY 4 - 7

"WINGS ACROSS THE BORDERS"
HAWK MIGRATION ASSOCIATION OF NORTH
AMERICA'S CONFERENCE VII.

Windsor, Ontario, Canada

Contact: Robert C. Petit, Monroe County
Community College, 1555 S. Raisinville Road,
Monroe, MI 48161
Tel: (313-242-7300) FAX: (313-242-9711)

MAY 4-7

WILSON ORNITHOLOGICAL SOCIETY

Williamsburg, Virginia

Contact: Ruth A. Beck, Dept. of Biology, College
of William and Mary, Williamsburg, VA

JUNE 7 - 11

9TH ANNUAL MEETING OF THE SOCIETY FOR
CONSERVATION BIOLOGY

Fort Collins, Colorado

Contact: Richard L. Knight, Dept. of Fishery and
Wildlife Biology, Colorado State Univ.,
Fort Collins, CO 80523

JULY 8-13

ANIMAL BEHAVIOR SOCIETY ANNUAL MEETING
Lincoln, Nebraska

Contact: John A. Byers, Dept. Biol. Sci., Univ.
Idaho, Moscow, ID 83844-3051

AUGUST 6-10

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES
46TH ANNUAL MEETING

San Diego, California

Contact: AIBS Meetings Dept., 730 11th St. NW,
Washington, DC 20001-4521
Tel: (202 628-1500)

AUGUST 13-20

AMERICAN ORNITHOLOGISTS' UNION

Cincinnati, Ohio

Contact: Robert Kennedy, Museum of Natural
History, 1720 Gilbert Ave., Cincinnati, OH 45202
Tel: (513-345-8510); FAX: (513-345-8501)

SEPTEMBER 12-17

THE WILDLIFE SOCIETY SECOND ANNUAL
CONFERENCE

Portland, Oregon

Contact: The Wildlife Society
5410 Grosvenor Lane, Bethesda, MD 20814
Tel: (301-897-9770)

SEPTEMBER 22-24

WESTERN BIRD BANDING ASSOCIATION

Albuquerque, New Mexico

Contact: Catherine I. Sandell,
8101 N. Main, Las Cruces, NM 88012

NOVEMBER 2-6

Raptor Research Foundation

Duluth, Minnesota

Contact: Continuing Education Extension, Univ.
of Minnesota-Duluth, 316 Darland, 10 University
Drive, Duluth, MN 55812-2496
Tel: (218-726-6819).

RAPTOR CONSERVATION ASSESSMENT AND MANAGEMENT PLAN (CAMP) UPDATE

-- Keith L. Bildstein - 1 October 1994

Simply put, a lot has happened since the 1993 RRF Board meeting. Below is a synopsis of events.

Representatives of RRF (D. Bird, M. Collopy), The Peregrine Fund (B. Burnham), International Union for the Conservation of Nature and Natural Resources/Species Survival Commission/Conservation Breeding Specialist Group (IUCN/SSC/CBSG - S. Ellis), Hawk and Owl Trust (J. Fenton), World Working Group on Birds of Prey and Owls (WWGBOPO - B. & C. Meyburg), Hawk Mountain Sanctuary (K. Bildstein), Australasian Raptor Association (N. Mooney), and Fonds d'Intervention pour les Rapaces (J.M. Thiollay) met in Charlotte, North Carolina, on 5 November 1993 to discuss the planned Raptor Conservation Assessment and Management Plan (CAMP) and Action Plan (AP). The 1½-hour meeting produced a tentative agreement to proceed with the production of a Raptor CAMP, the forerunner to the Raptor AP.

An Action Plan Memorandum of Agreement, which provides a framework for cooperation among the signatories as they work together to develop the AP for raptors, was drafted by Bildstein and signed by the

above organizations, BirdLife International, Raptor Conservation Group (South Africa), and Vulture Study Group. RRF President Collopy signed on behalf of RRF.

It was agreed at the Charlotte meeting that Susie Ellis of the IUCN/SSC/CBSG would draft the preliminary CAMP document using information available in Vol. II of the Handbook of Birds of the World. (The handbook is due to be published in late 1994.) The preliminary draft document will be revised on the basis of comments and suggestions offered at a 2-3 day, up to 40-participant, workshop held in conjunction with the upcoming raptor meeting in Extremadura, Spain, in April 1995. The revised document will be used to produce the Raptor AP. Ellis, a seasoned veteran in the production of CAMPs and APs, has agreed to work closely with representatives of the raptor groups mentioned above. Bildstein has agreed to serve as an information conduit among the above organizations and Ellis as she begins her work.

If all proceeds according to plan the Raptor AP should be published by early 1996.

HAWK MOUNTAIN - ZEISS RAPTOR RESEARCH GRANT WINNER ANNOUNCED

The 1995 recipient of the Hawk Mountain-Zeiss Raptor Research Grant is Elizabeth Stone, a master's degree candidate in conservation biology at the University of Minnesota. Stone will receive \$2,000 to support a study entitled "Non-invasive monitoring of seasonal reproductive hormones in the American Kestrel."

Stone plans to use the money to develop a technique to measure the species' reproductive hormone activity using fecal, rather than blood assays. The technique will increase scientists' ability to monitor hormone levels in stress-prone species without repeated blood sampling. Conservation biologists believe that many environmental contaminants affect birds of prey by disrupting levels of reproductive hormones that are essential to breeding success.

Stone's study enhances Sanctuary efforts to build a database on the American Kestrel, which the Sanctuary plans to use as a bioindicator of ecological health. Elizabeth will conduct her research on captive kestrels breeding at the Avian Science and Conservation Center at McGill University in Montreal.

Zeiss Optics has supported the Sanctuary's student grant competition for research on raptor biology and conservation since 1989. The deadline for the submission of 1996 proposals is November 15, 1995. For more information, students should write: Keith L. Bildstein, Hawk Mountain-Zeiss Research Grant, Hawk Mountain Sanctuary, RR 2, Box 191, Kempton, PA 19529.

BUREAU OF LAND MANAGEMENT AND RAPTOR RESEARCH FOUNDATION COOPERATE ON CONSERVATION GOALS

The Department of the Interior's Bureau of Land Management (BLM) entered into a Memorandum of Understanding (MOU) with the Raptor Research Foundation, Inc., (RRF) in August 1994 to enhance the conservation and management of raptors, their habitats, and related resources on the 270 million acres of public lands administered by the BLM.

Under the agreement, the BLM and the RRF will implement projects to enhance raptor habitats. Butch Olendorff and Mike Kochert wrote the BLM's raptor management strategy, which is a component of the BLM's Fish & Wildlife 2000 program - a comprehensive plan for the management of fish, wildlife, and threatened and endangered species on the Nation's public lands.

The BLM manages some of the most spectacular habitats and ecosystems for raptors in the country, if not the world. The BLM administers 223 Key Raptor Areas encompassing almost 14 million acres, along with 45 species of raptors.

"Development and improvement of wildlife habitat is one of the most satisfying aspects of land management," said BLM Director Mike Dombeck. "This partnership offers exciting opportunities that will benefit not only raptors but also the ecosystems on which they depend."

Dombeck added: "Partnerships with key groups such as the Raptor Research Foundation help the BLM accomplish our goal of conserving public land resources for future generations. Preserving the legacy of birds is part of that goal." Director Dombeck and RRF President Mike Collopy signed the MOU on August 31, 1994.

Mark Fuller is the RRF liaison to the BLM for this MOU, and William "Buz" Kennedy is the BLM liaison.

Raptor Research Foundation members are encouraged to contact the local BLM staff to learn if there are needs for information, to assist in implementation, or to help the public learn about raptor resources on public lands.

Mike Collopy, RRF President, and Denise Meredith, Associate Director of the Bureau of Land Management, at signing ceremony for Memorandum of Understanding between BLM and RRF in Washington, DC.



1994 ANNUAL MEETING FLAGSTAFF, ARIZONA

More than 400 people attended the 1994 Annual Meeting of the Raptor Research Foundation, Inc. in Flagstaff, Arizona on 3-6 November 1994, which was dedicated to Dr. Richard R. ("Butch") Olendorff, who passed away in February 1994. The Local Arrangements Committee, chaired by Pat Hall, organized an excellent meeting and even arranged a variety of fall weather, including snow. The meeting was highlighted by field trips to the Grand Canyon, Oak Creek and Walnut Creek Canyons, and Coconino National Forest.

Dan Varland, Scientific Program chair, assembled an invigorating and diverse array of papers for the general scientific program which consisted of 60 papers presented on breeding biology, population ecology, dispersal and migration, raptor habitat relationships, behavioral ecology, physiology, and adaptive radiation. Symposia on the Northern Goshawk, arranged by Susan MacVean; the Mexican Spotted Owl, arranged by Joe Ganey; and the Swainson's Hawk, arranged by Michael Fry, ran concurrently with the general paper sessions.

In addition to the general papers sessions, the meeting hosted a superb poster session as well as a video session. A half-day workshop was held on "Ranges" software.

The business meeting, presided by President Mike Collopy, consisted of lively discussion on the proposed RRF dues increase. The Memorandum of Understanding between RRF and the U.S. Bureau of Land Management also was announced.

The conference ended with a banquet on Saturday night, which included a western barbeque. Bob Lehman presented a moving tribute to Butch Olendorff. Ted Swem announced the delisting of the Tundra Peregrine Falcon, and David Bird, President Elect, gave a combination slide show roast of some of our well-known RRF members.

Newly elected officers David Bird, President Elect, and Mike Kochert, Vice President; as well as newly elected Directors Gordon Court, John Smallwood, Bob Rosenfield, and Petra Bohall Wood were announced at the meeting. Paul James, Robert Kenward, Joe Schmutz, and Paul Steblein ended their terms as Directors.

LET US PUT A SHIRT ON YOUR BACK!



We still have a number of T-shirts from the very successful 1994 annual meeting available for purchase. The shirt backs have a Swainson's hawk in flight and a perched Mexican spotted owl and northern goshawk (see illustration). The sky behind the raptors blends from turquoise through mauve and into dark blue, reminiscent of western sunsets. The front has a pocket-sized emblem stating the place and date of the meetings. The T-shirts are 100% preshrunk cotton, come in flecked-grey and sage green, and are available in adult sizes medium, large and Xlarge for \$13.00 (including shipping). Contact RRF Treasurer James Fitzpatrick at: Carpenter Nature Center, 12805 St. Croix Trail, Hastings, MN 55033 USA ; phone (612- 437-4359).

We also have copies of the 1994 program and its accompanying portfolio available through Jim. The portfolio is burgundy imprinted with the Swainson's hawk also seen on the T-shirt. Please send your request and \$10.00 to Jim, at the above address. If you were not able to attend any of the meetings previous to 1994, programs for these meetings are available from Jim for \$5.00.

ANNOUNCEMENTS

ATTENTION: ALL WINGSPAN SUBSCRIBERS: The Post Office does not forward third class mail. If you move and wish to continue receiving *THE WINGSPAN*, please notify Jim Fitzpatrick, RRF Treasurer, of your address change. Jim's address is: 12805 St. Croix Trail, Hastings, Minnesota 55033.

POSITIONS AVAILABLE

FIELD ASSISTANTS (volunteers) needed to help with either of two Bureau of Land Management (BLM) projects: Spotted owl/goshawk monitoring and a neotropical migratory bird survey. The raptor survey requires knowledge of the birds by sight and sound; experience with raptor trapping techniques and banding is desirable. The neotropical migrant survey requires knowledge of southern Oregon avifauna by sight and sound; experience with census techniques is desirable. Applicants should be in excellent physical shape and should have own birding and field gear. The BLM will provide a stipend and possible housing, as well as training. Send a resume and names of three references to **ANDY HAMILTON** (*raptors*) or **DR. DONNA J. HOWELL** (*Neotrops*), BLM, Klamath Falls Resource Area, 2795 Anderson Avenue, Building 25, Klamath Falls, OR 97603.

FIELD BIOLOGISTS needed to survey and monitor birds in Arizona. Projects include Southwestern Willow Flycatcher, Cactus Ferruginous Pygmy-Owl, Northern Goshawk, and the Arizona Breeding Bird Atlas. Several seasonal/temporary positions available ranging from \$18,287 to \$22,125 per year. Most positions begin in late winter/spring. Must have experience conducting songbird or raptor surveys. Some positions require strenuous hiking and primitive camping. Applicants will be placed on a register for all positions advertised within the Arizona Game and Fish Dept. To receive written information and application materials for these positions, please send letter of inquiry to **SUSAN SFERRA / LAURIE WARD**, Nongame Branch, Arizona Game and Fish Dept., 2221 W. Greenway Road, Phoenix, AZ 85023.

FLAMMULATED OWL RESEARCH. Need a field research assistant to search for Flammulated Owls early May - mid-Jul, and conduct habitat surveys mid-Jul - Sep-Oct. Must be in good physical condition, enjoy camping 4-5 nights/week, enthusiastic about biology,

and most importantly, able to work extended hours at night, and during inclement weather. Good hearing imperative. Familiarity with owl song identification, orienteering, and vegetation sampling helpful. \$1200/mo. Volunteer position w/ per diem also available for enthusiastic person interested in gaining field experience. Please send letter of interest, resume, list of references, and availability dates to **VITA WRIGHT**, Dept of Biological Sciences, Univ. of Montana, Missoula, MT 59812 (E-mail vita@selway.umt.edu).

RAPTOR FIELD SURVEY ASSISTANTS needed 15 May - 15 Aug, to work on a study of the effects of timber harvest on forest raptors in southwestern Montana. The study will focus on finding nests and radio tracking goshawks, Cooper's hawks, and Sharp-shinned Hawks on the Beaverhead National Forest. Positions include one field technician with forest raptor survey experience, B.S. required, M.S. preferred (\$1500/mo), and three field assistants with field work experience, students majoring in wildlife or zoology preferred (\$1000/mo). Semi-private lodging with cooking facilities provided at the base camp located at 7000 ft in the West Pioneer Mountains. Applicants must be in good physical condition, able to cope with long field days taking radio telemetry readings, sometimes in rain or snow. Applicants must be highly motivated, able to maintain a reasonably cheerful attitude, and able to get along with others under close living conditions. By 1 Apr, please send a letter of interest, resume and the names, addresses and phone numbers of 3 persons who are familiar with your field skills to **JACK KIRKLEY**, Western Montana College, 710 S. Atlantic, Dillon, MT 59725 (406-683-7321; FAX 406-683-7493).

FIELD ASSISTANTS (3) needed to aid in graduate study of post-fledging dispersal of Northern Goshawks in north central Nevada (25 May - ca. 11-18 Aug). Responsibilities include primarily radiotelemetry, behavioral observations and data entry, but may also include some mist-netting and habitat analysis. The

study is conducted in mountainous terrain at elevations ranging from 6000-8000 ft. Applicants must be able to tolerate physically demanding work, long hours and work independently without supervision. Experience operating 4X4 vehicle or ATV in rough terrain and map reading/orienteering skills a must. Previous radiotelemetry experience desired for at least 1 applicant. \$150/mo. Housing on 800-acre ranch provided. Please send letter of application, CV and 3 letters of reference to MIKE SHIPMAN, *Boise State Univ., Raptor Research and Technical Assistance Center, Dept. of Biology, Boise ID 83725 (208-385-3520); E-mail grshipm@idbsu.idbsu.edu.*

GS-4 WILDLIFE TECHNICIANS (2-6)/VOLUNTEERS (2-8) needed to assist with rare bird inventory and monitoring program on the Ashley National Forest in northeastern Utah. 1 May - 30 Aug. Crews will work with several species including Northern Goshawk, Flammulated Owls, Three-toed Woodpeckers and small mammals. Duties include: conducting standardized surveys, monitoring nest sites, sampling vegetation, banding goshawks, trapping small mammals, and maintaining data and maps. Candidates must be in good physical condition, able to hike long distances in rugged terrain in inclement weather, and able to work independently or as part of a team. Owl surveys require night work. Skills in orienteering, western bird identification (especially raptors), and the ability to maintain detailed field notes are essential for technician positions; preferred for volunteers. All technician positions contingent upon funding. Volunteers will receive training, housing, and a stipend. Send resume and cover letter by 15 Mar to SARAH DEWEY, *Ashley National Forest, Vernal Ranger District, 353 North Vernal Ave., Vernal, UT 84078 (801-789-1181); FAX (801-781-5142); E-mail fwsa/s.s.dewey@oul=r04f01a@mhs.attmail.com.*

FIELD RESEARCH ASSISTANTS needed for long-term study of the metapopulation structure of the Mexican Spotted Owl in the mountains of central New Mexico. All positions require previous camping and backpacking experience and the desire to work long hours at night under beautiful but rugged conditions. One position is available 1 Apr - 15 Aug, and requires previous experience banding Spotted Owls. A second position is available 15 May - 31 Oct; previous experience with radio telemetry will be helpful. A third position is available 15 May - 15 Aug; previous field work with birds is required. Salary \$800-\$1000/mo depending upon experience. For all positions send letter of interest, brief resume and the names, addresses and phone numbers of at least two references to PETER STACEY, *Program in EEC Biology, Univ. of Nevada,*

Reno, NV 89557 (E-mail stacy@unr.edu). Please identify the position for which you are applying.

VOLUNTEER RESEARCH ASSISTANTS (4-6) needed, 4 Apr - Jul 1995, for an ongoing study of Northern Spotted Owl demographics. Study areas include the Siuslaw National Forest in the Oregon Coast Range, the Olympic National Forest in WA, and the Wenatchee National Forest in WA. Duties include day and night surveys to locate owls, extensive day hikes to obtain visual observations, trapping and banding owls, confirming color banded owls, locating and measuring nest trees, and monitoring nesting activity and production of young. Familiarity with trapping, banding and handling of raptors preferred. Applicants must be in good physical condition, have a valid driver's license and be willing to work in steep and rugged terrain under adverse weather conditions. Cross country hiking and the use of a map and compass are an essential part of the work. Housing provided; \$125/wk (5 days/wk). Send cover letter, resume and the names and phone numbers of 3 references to ERIC FORSMAN, *USDA Forest Service, Corvallis Forestry Sciences Lab., Corvallis, OR 97331. For information contact PETER LOSCHL (503-750-7273).*

PUBLICATIONS AVAILABLE

JRR PREDECESSOR REDISCOVERED!

Early issues of the predecessor to *The Journal of Raptor Research* have recently been assembled, reproduced, and bound for sale. All issues of "The Raptor Research News" Volumes #1 through #4 published from 1966 through 1970 are now available in bound annual sets. The format is somewhat different than *The Journal of Raptor Research*, and the cost is \$20.00 per year plus postage. Issues #1 through #6 of Volume 5, 1971 (though currently not available) will be available this summer and will be announced. These, along with many other issues and RRF publications, can be ordered from the RRF Treasurer, JIM FITZPATRICK, *12805 St. Croix Trail, Hastings, Minnesota 55033.*

PEREGRINE FALCON RESTORATION IN MARYLAND, a 24-page report by Glenn D. Therres, S. Dawson, and J.C. Barber is available upon request from the *Maryland Department of Natural Resources, Fish, Heritage, and Wildlife Administration, P.O. Box 68, Main Street, Wye Mills, Maryland 21679. Ask for Wildlife Technical Publication 93-1.*

THE NORTHERN GOSHAWK: ECOLOGY AND MANAGEMENT is now available from the Cooper Ornithological Society as Studies in Avian Biology No. 16. The volume includes papers presented at the symposium on goshawks held in conjunction with the 1993 Cooper Society meeting in Sacramento. William M. Block, Michael L. Morrison, and M. Hildegard Reiser are the editors. To order, send a check or money order for \$16.00 to *The Cooper Ornithological Society, Western Foundation of Vertebrate Zoology, 439 Calle San Pablo, Camarillo, CA 93012-8506.*

THE 1994 EDITION OF THE KETTLE is in the final stages of updating and will be mailed to RRF members in early spring of 1995.

NEWS OF MEMBERS

THOMAS BOSAKOWSKI left his position with Utah Division of Wildlife Resources in April for a wildlife biologist position in the Seattle area. His new address is *Beak Environmental Consultants, 12931 NE 126th Place, Kirkland, WA 98034-7715 (206-823-6919).*

JOHN A. SMALLWOOD has left the University of Florida to accept the position of assistant professor of vertebrate ecology at Montclair State University. His new address is *Dept. of Biology, MSU, Upper Montclair, NJ 07043 (201-655-5345; FAX (201-655-7047), E-mail smallwood@saturn.montclair.edu*

LLOYD KIFF has accepted the position of science director at the Peregrine Fund. In the newly created position, Lloyd is in charge of the library, publications, and collections programs at the World Center for Birds of Prey in Boise, Idaho. He is also supervising the Maya Project in Guatemala, the Harpy Eagle Project in Venezuela, Panama, and Columbia, and the in-house research program. Lloyd also expects to initiate new projects in Honduras and SE Asia. Lloyd plans to be on the move between field sites, his home in West Virginia, and his Boise Base of Operations. The best bet for reaching him is *c/o The World Center for Birds of Prey, 5666 West Flying Hawk Lane, Boise, ID 83709. (208-362-3716; FAX 208-362-2376).*

REQUESTS FOR ASSISTANCE

Ph.D. theses, scientific publications, published or unpublished literature, and all other papers about habitat use, home range and nest-site selection on Goshawk,

Accipiter gentilis, is needed for the preparation of a doctorate thesis on this subject. Please send contributions to **VINCENZO PENTERIANI**, *Laboratoire d'Ecologie, Université de Bourgogne, B.P. 138, Z1004 Dijon, France.*

Dieter Schmidl is preparing a book on the Red-naped Shahin, also called Russett-headed Falcon or Desert Peregrine Falcon, *Falco peregrinus babylonicus* or *Falco pelegrinoides babylonicus*. Please send the author any information you have on: a) literature mentioning this falcon, e.g. from handbooks, checklists, expedition reports, etc.; b) published or unpublished manuscripts with observations of your own, e.g. breeding records, etc.; c) addresses of institutions or persons engaged in the study of this falcon also in respect of museum skin collections (data of skins will be very useful), research, field observations, falconry, captive breeding, etc. Every piece of information will be acknowledged and the sender will be informed about the progress of the book, at least when it is to be published. Please send your information to:

DIETER SCHMIDL, *Max-Planck-Institut, D-82319 Seewiesen, Germany. Tel. (8157)-932-268, FAX (8157)-932-209.*

CONTRIBUTIONS NEEDED

EDUCATIONAL MATERIALS: PRINTED AND AUDIO/VISUAL. The RRF Education Committee is compiling a bibliography of printed educational materials on raptors. For audio-visual materials, we need the title, author/producer, production date, a brief summary (50 words or less), type of media, loan/rent/sale policies and prices, and contact name and address. For printed materials, send samples or a complete description (i.e. species, region, and topics). Contact: *Nancy Read, Education Committee Chair, 368 South Grand Street, Orange, CA 92666 USA (714-744-4305 or 805-734-8232 x58399).*

BINOCULARS AND FIELD GUIDES NEEDED to assist in research and educational programs that have great need and very low funds. The Mexico Migration Project has received sufficient donations. The RRF Education Committee is now expanding the binocular/field guide donation program. Projects set to receive donations include research programs in Latin America and the former Soviet Union. Please consider donating them to this very worthwhile program. Also, the Education Committee is accepting nominations for worthy organizations to be beneficiaries of donations. Contact: *Nancy Read, Education Committee Chair, 368 South Grand Street, Orange, CA 92666 USA (714-744-4305 or 805-734-8232 x58399).*

RECENT THESES ON RAPTORS

- ECOLOGY AND MANAGEMENT OF THE BALD EAGLE, *HALIAEETUS LEUCOCEPHALUS*, ON THE YADKIN/PEE DEE RIVER OF THE NORTH CAROLINA PIEDMONT. *Harris, S.D.*, M.S. Thesis. University of North Carolina at Charlotte. 70pp.
- MEXICAN SPOTTED OWL DISTRIBUTION AND HABITAT CHARACTERIZATIONS IN SOUTHWESTERN CHIHUAHUA, MEXICO. *Tarango Arambula, L.A.*, M.S. Thesis. New Mexico State University, Las Cruces. 85pp.
- EFFECTS OF MACROHABITAT, MICROHABITAT, AND MICROCLIMATE ON NEST-BOX USE AND NESTING SUCCESS OF AMERICAN KESTRELS IN EASTERN PENNSYLVANIA. *Rohrbaugh, R.W., JR.* M.S. Thesis. The Pennsylvania State University, University Park. 97pp.
- SEGMENTING BALD EAGLE VIEWERS PREFERENCES AND ATTITUDES: AN EXPLORATORY STUDY. *Bradford, W.*, M.S. Thesis. University of Montana, Missoula. 131pp.

WINGSPAN CONTRIBUTIONS

The Wingspan editorial staff welcomes contributions from RRF members and others interested in raptor biology and management. Announcements of job openings, grants, meetings, and available publications as well as news of members and requests for information should be sent or faxed to Leonard Young, Editor, 5010 Sunset Drive NW, Olympia, WA 98502 (FAX 360-902-1789). The deadline for the next newsletter will be 5 August 1995. If you intend to submit more than a paragraph, please notify the editor by 15 July so that space can be reserved.

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